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ZedaSoft® announces RPA/UAV Open Systems Architecture for USAF Test Pilot School Automated Sensor Collection powered by CBA®

(Fort Worth, Texas – November 14, 2017) ZedaSoft, Inc., a simulation and visualization software company announces the awarding of contract FA9302-17-P-K019 to provide an open systems architecture for Remotely Piloted Vehicle (RPA) experimentation using ZedaSoft's Mockingbird® mission console software. This open system architecture based on ZedaSoft's patented CBA® software framework will be used to test automated flight and sensor management algorithms for the USAF Test Pilot School (TPS) located at Edwards AFB.

The contract tasks include integrating the Mockingbird® RPA mission console software as a ground station for a SIG® Rascal 110 radio controlled aircraft. In addition to the traditional 2.4MHz radio link the mission console will establish a MAVLink and WiFi network connections to upload advanced payload and flight control commands. The planned payload includes a three-axis inertial measurement unit (IMU) stabilized gimbal system with a GOPRO® HERO 5 camera as its primary sensor. The RPA/UAV experimentation includes:



- **Automatic sensor image collection**
- **Automated sensor optimization based on GPS boundaries**
- **Route optimization based on sensor type**
- **Sensor zoom and field of view optimization**

"We believe that an open architecture approach using our CBA software framework provides the best flexibility and responsiveness to new requirements for this customer", says GW Estep, president of ZedaSoft.

About ZedaSoft

ZedaSoft develops innovative products for the simulation and visualization industry. Its customers include Lockheed Martin, BAE, U.S. Army, U.S. Air Force and other defense, Government and commercial organizations. The main goal at ZedaSoft is to strike the balance between agility and cost-effective deployed solutions utilizing a modern open architecture.

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The USAF does not formally endorse ZedaSoft, SIG or Canon products.